

Application Number 09/484,974
Amendment dated October 1, 2003
Reply to Office Action of July 1, 2003

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims the application.

Listing of Claims:

1. (Currently Amended) A moving picture experts group (MPEG) decoder for producing a caption for display on a screen, said decoder producing a video stream from an externally-applied MPEG stream, the decoder comprising:

a video decoder for decoding the video stream and extracting user data from header information of the video stream, the user data indicating whether the video stream includes caption data;

a header memory for storing the user data;

B¹ a central processing unit (CPU) for (i) ~~producing caption data by~~ decoding the user data, (ii) determining from the user data whether the video stream includes caption data, (iii) ~~and (ii) transforming the caption data into on-screen-display (OSD) object data, and (iv)~~ generating an OSD Enable signal if the video stream contains caption data;

an OSD controller for receiving the OSD Enable signal and transforming the OSD object data into pixel data in response to a ~~predetermined~~the enable signal and outputting the pixel data; and

a video mixer for mixing the pixel data with the decoded video data;

wherein the OSD object data is considered data transformed from caption information when a caption function is performed, and considered data for displaying non-caption OSD characters when a non-caption function is performed.

2. (Original) The MPEG decoder of claim 1, wherein the OSD controller comprises:
an OSD buffer for storing the OSD object data received from the CPU; and

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an OSD processor for reading the OSD object data from the OSD buffer and transforming the OSD object data into pixel data.

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3. (Canceled)
 4. (Currently Amended) An MPEG decoding method comprising the steps of:
 - (a) decoding an MPEG video stream;
 - (b) extracting user data from the header of the MPEG video stream, the user data indicating whether the video stream includes caption data;
 - (c) ~~producing caption data by~~ decoding the user data;
 - (d) determining from the user data whether the video stream includes caption data;
 - (~~de~~) transforming the caption data into OSD object data and storing the OSD object data;
 - (f) generating an OSD Enable signal if the video stream includes caption data;
 - (~~eg~~) determining whether ~~an~~the OSD Enable signal has been ~~applied~~generated;
 - (fh) transforming the OSD object data into pixel data if the OSD Enable signal has been ~~applied~~generated; and
 - (gi) mixing the pixel data with video data and outputting the resultant data.
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